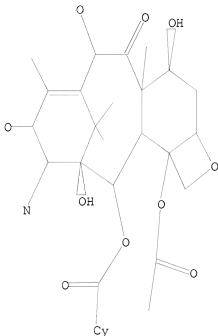


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 L3 HAS NO ANSWERS  
 L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l3 ful  
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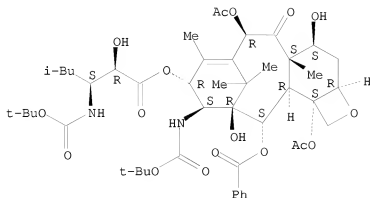
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 SEARCH TIME: 00.00.01

L4 3 SEA SSS FUL L3

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L4 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 675584-63-1 REGISTRY  
 ED Entered STN: 15 Apr 2004  
 CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzyloxy)-10-[[[(1,1-dimethylethoxy)carbonyl]amino]-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C48 H68 N2 O17  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

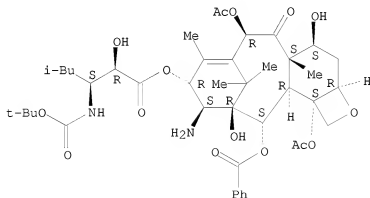


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 675584-61-9 REGISTRY  
ED Entered STN: 15 Apr 2004  
CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-10-amino-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4a,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C43 H60 N2 O15  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry. Rotation (-).

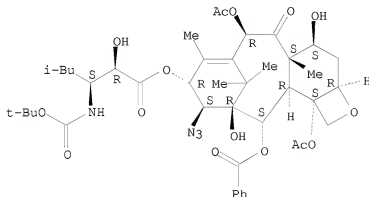


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 675584-54-0 REGISTRY  
ED Entered STN: 15 Apr 2004  
CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-10-azido-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C43 H58 N4 O15  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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L5 2 L4

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L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:589047 CAPLUS

DN 143:248531

TI Selective synthesis of 14 $\beta$ -amino taxanes

AU Battaglia, Arturo; Baldelli, Eleonora; Bombardelli, Ezio; Carenzi, Giacomo; Fontana, Gabriele; Gelmi, Maria Luisa; Guerrini, Andrea; Pocar, Donato

CS Istituto CNR per la Sintesi Organica e Fotoreattività "I.S.O.F.", Bologna, 40129, Italy

SO Tetrahedron (2005), 61(32), 7727-7745

CODEN: TETRAB; ISSN: 0040-4020

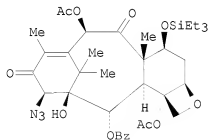
PB Elsevier B.V.

DT Journal

LA English

OS CASREACT 143:248531

GI



AB The base induced deprotonation of H-14 of 7-triethylsilyl- (7-TES-) and 7-tert-butoxycarbonyl- (7-BOC-) protected 13-oxo-baccatins gave the corresponding enolates, which were selectively aminated with electrophilic nitrogen donors, such as azodicarboxylates and tosyl azide. In

particular, tosyl azide gave the corresponding 7-BOC- and 7-TES-13-oxo-14 $\beta$ -azido-baccatin III. Alternatively, the last compound was prepared via NaN<sub>3</sub> induced azidation of the 13-silyl enol ether of 7-TES-13-oxo-baccatin III under oxidative (cerium ammonium nitrate) conditions. The 13-silyl enol ether was obtained in a multistep process by DBU induced silylation of 7-TES-13-oxo-baccatin III.

7-TES-13-oxo-14 $\beta$ -azido-baccatin III (I) was used as a key intermediate for the synthesis of a new family of antitumor taxanes containing amino based functional groups at the C-14 position, such as: 14 $\beta$ -azido, 14 $\beta$ -amino, 14 $\beta$ -amino 1,14-carbamate, 14 $\beta$ -amino 1,14-thiocarbamate, and 14 $\beta$ -amino N-tert-butoxycarbonyl-1,14-carbamate.

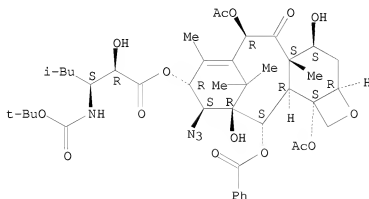
IT 675584-54-0P 675584-61-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(selective synthesis of 14 $\beta$ -amino taxanes via stereoselective azidation)

RN 675584-54-0 CAPLUS

CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-10-azido-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)

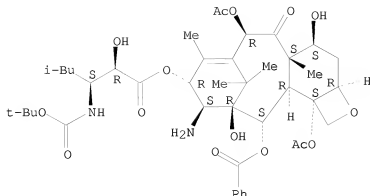
Absolute stereochemistry. Rotation (-).



RN 675584-61-9 CAPLUS

CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-10-amino-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

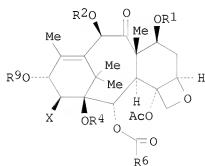
L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:252495 CAPLUS  
DN 140:287557  
TI Process for preparation of taxane derivatives functionalized at the  
14-position  
IN Fontana, Gabriele; Bombardelli, Ezio; Battaglia, Arturo; Baldelli,  
Eleonora; Guerrini, Andrea; Gelmi, Maria Luisa; Carenzi, Giacomo; Pocar,  
Donato  
PA Indena S.P.A., Italy  
SO PCT Int. Appl., 61 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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				CA 2003-2498277	20030905
				IT 2002-MI1921	A 20020910
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	AU 2003267049	A1	20040430	AU 2003-267049	20030905
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	EP 1537093	A2	20050608	EP 2003-747971	20030905
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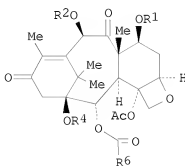
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

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CN 1681799	A	20051012	CN 2003-821338		20030905
			IT 2002-MI1921	A	20020910
JP 2006503030	T	20060126	JP 2004-535440		20030905
			IT 2002-MI1921	A	20020910
			WO 2003-EP9866	W	20030905
NO 2005001774	A	20050510	NO 2005-1774		20050411
			IT 2002-MI1921	A	20020910
			WO 2003-EP9866	W	20030905
US 2006122258	A1	20060608	US 2005-527164		20051109
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			WO 2003-EP9866	W	20030905

OS MARPAT 140:287557  
GI



I



II

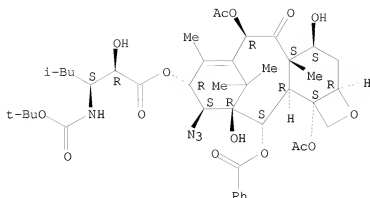
AB The present invention discloses a general process for the preparation of taxane derivs. such as I [X = N3, NH2, NHR3, :CHR8, OR3; R1 = H, protecting groups; R2 = H, acyl; R3 = alkoxycarbonyl; R3R4 = CO, CS, SO, SO2; R4 = H; R6 = aryl, heteroaryl; R8 = H, alkyl, alkoxycarbonyl; R4R8 = CO; R9 = acyl, hydroxyaminoacyl], from 13-ketobaccatin derivs. II via functionalization at the 14-position. Thus, preparation of taxane derivative I [XR4 = NHCO; R1 = TES; R2 = Ac; R6 = C6H5; R9 = H] was achieved via a multistep synthetic sequence starting from II (R1 = H; R2 = Ac, R4 = H; R6 = C6H5).

IT 675584-54-0P 675584-61-9P 675584-63-1P  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(process for preparation of taxane derivs. functionalized at the 14-position)

RN 675584-54-0 CAPLUS

CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR, 4S, 4aS, 6R, 9R, 10S, 11R, 12S, 12aR, 12bS)-6, 12b-bis(acetyloxy)-10-azido-12-(benzoyloxy)-2a, 3, 4, 4a, 5, 6, 9, 10, 11, 12, 12a, 12b-dodecahydro-4, 11-dihydroxy-4a, 8, 13, 13-tetramethyl-5-oxo-7, 11-methano-1H-cyclohexa[3, 4]benz[1, 2-b]oxet-9-yl ester, (2R, 3S)- (9CI) (CA INDEX NAME)

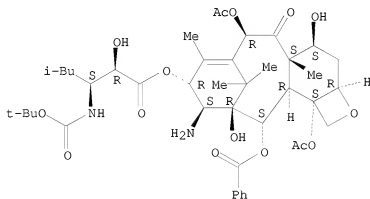
Absolute stereochemistry. Rotation (-).



RN 675584-61-9 CAPLUS

CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-10-amino-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

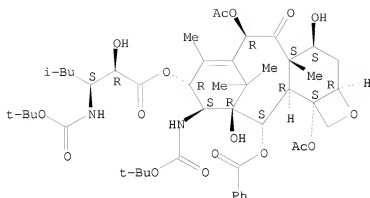


RN 675584-63-1 CAPLUS

CN Hexanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-hydroxy-5-methyl-, (2aR,4S,4aS,6R,9R,10S,11R,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzoyloxy)-10-[[[(1,1-dimethylethoxy)carbonyl]amino]-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (2R,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.





=> FIL STNGUIDE  
COST IN U.S. DOLLARS

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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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LAST RELOADED: Feb 23, 2007 (20070223/UP).

=>

=>

Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS

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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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STN INTERNATIONAL SESSION SUSPENDED AT 16:33:35 ON 02 MAR 2007